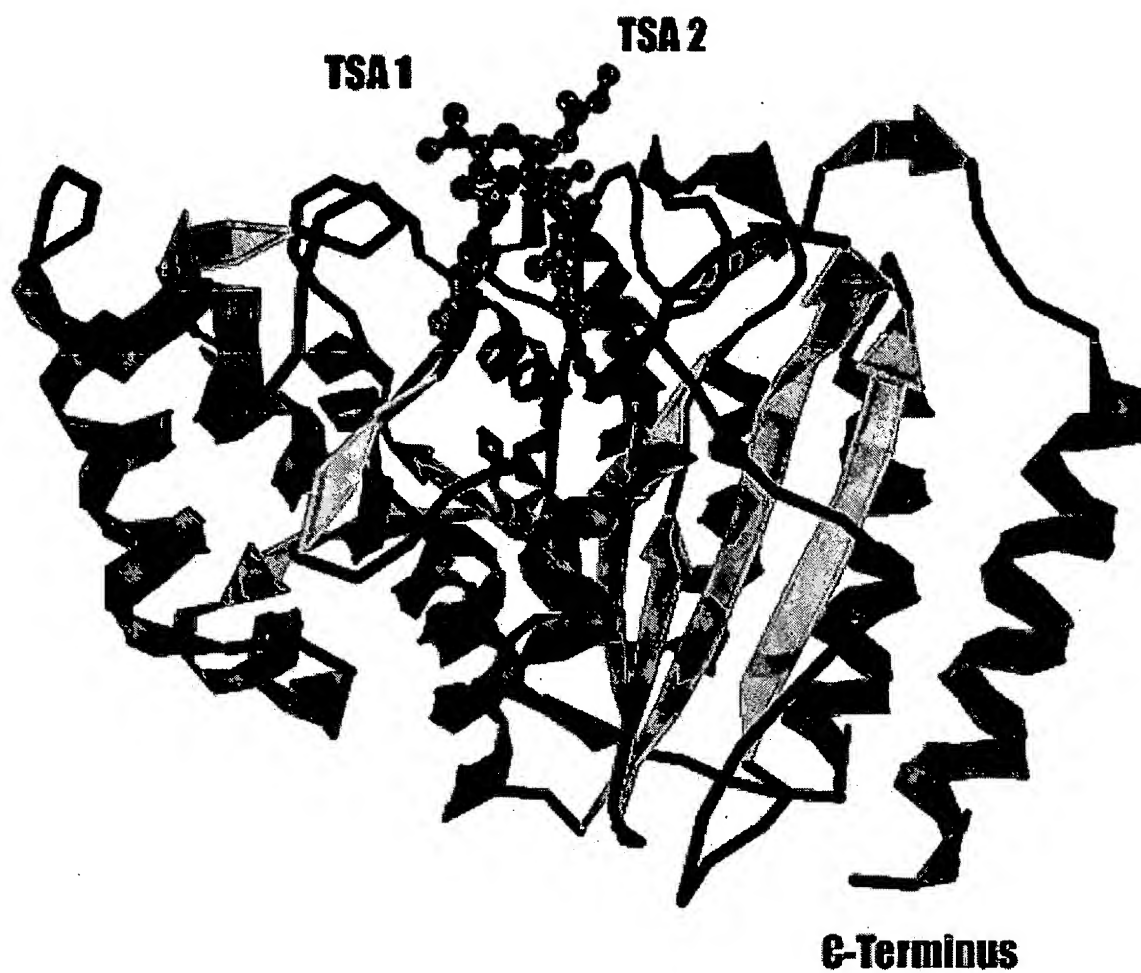
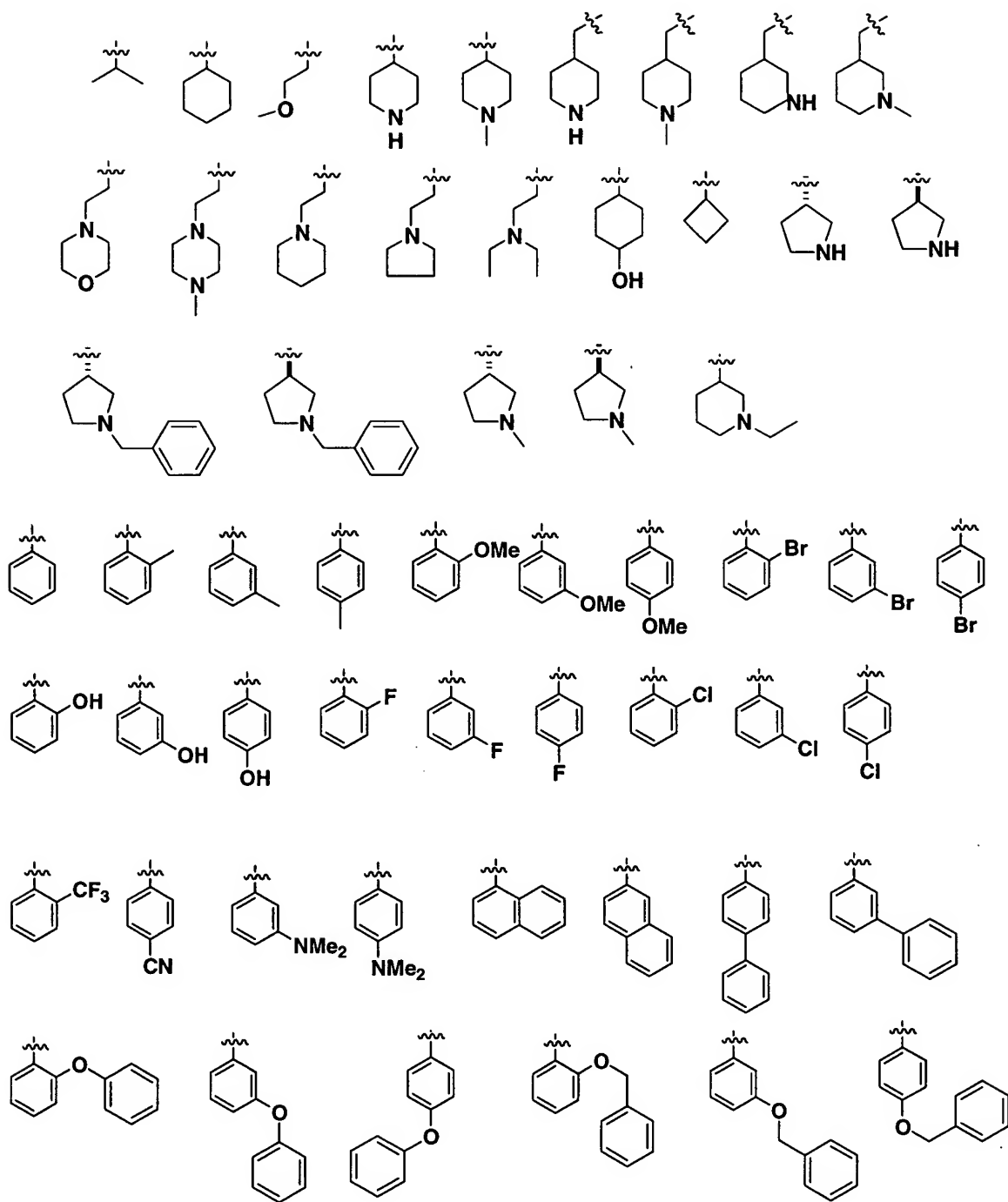


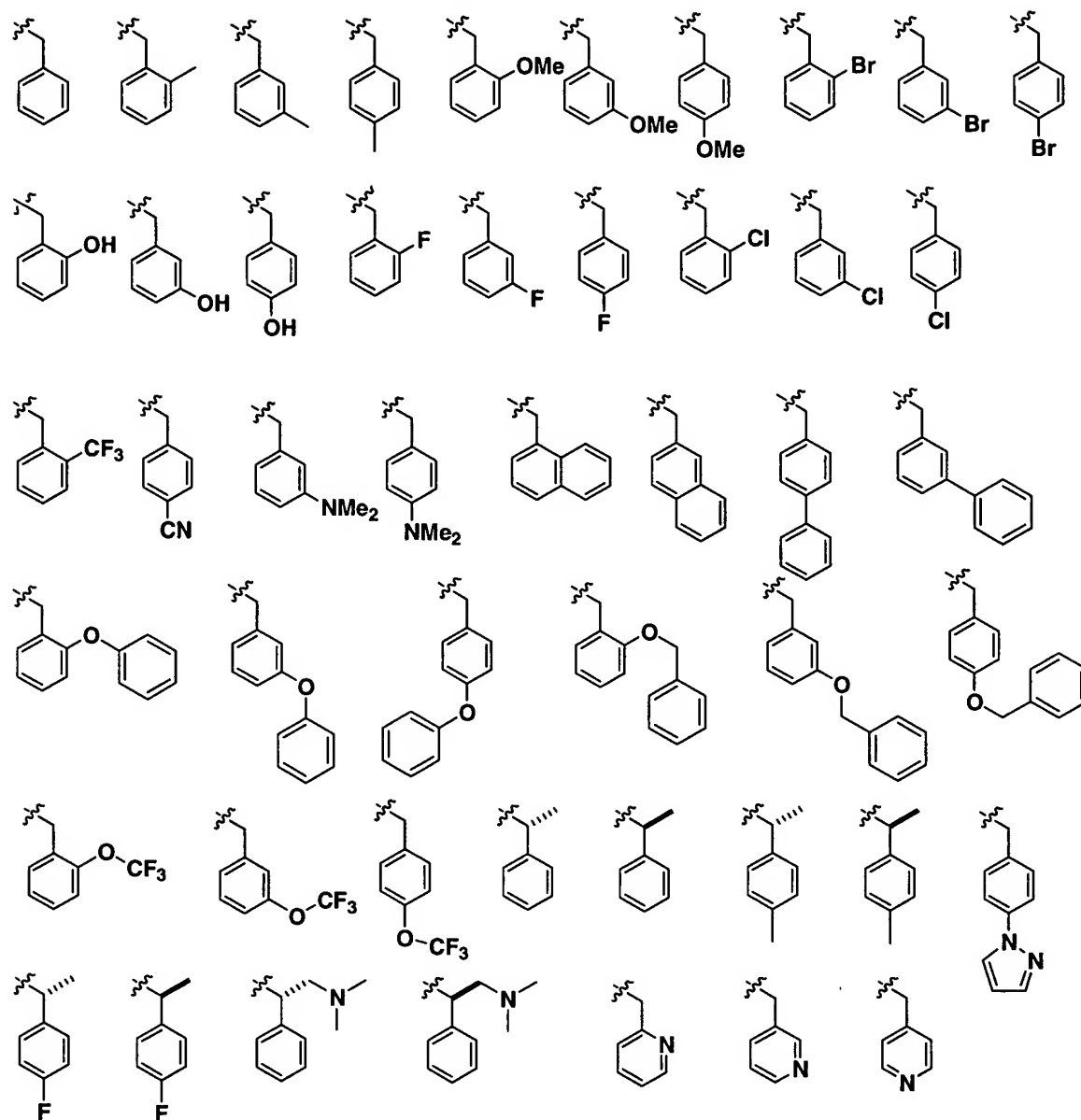
**FIGURE 1**



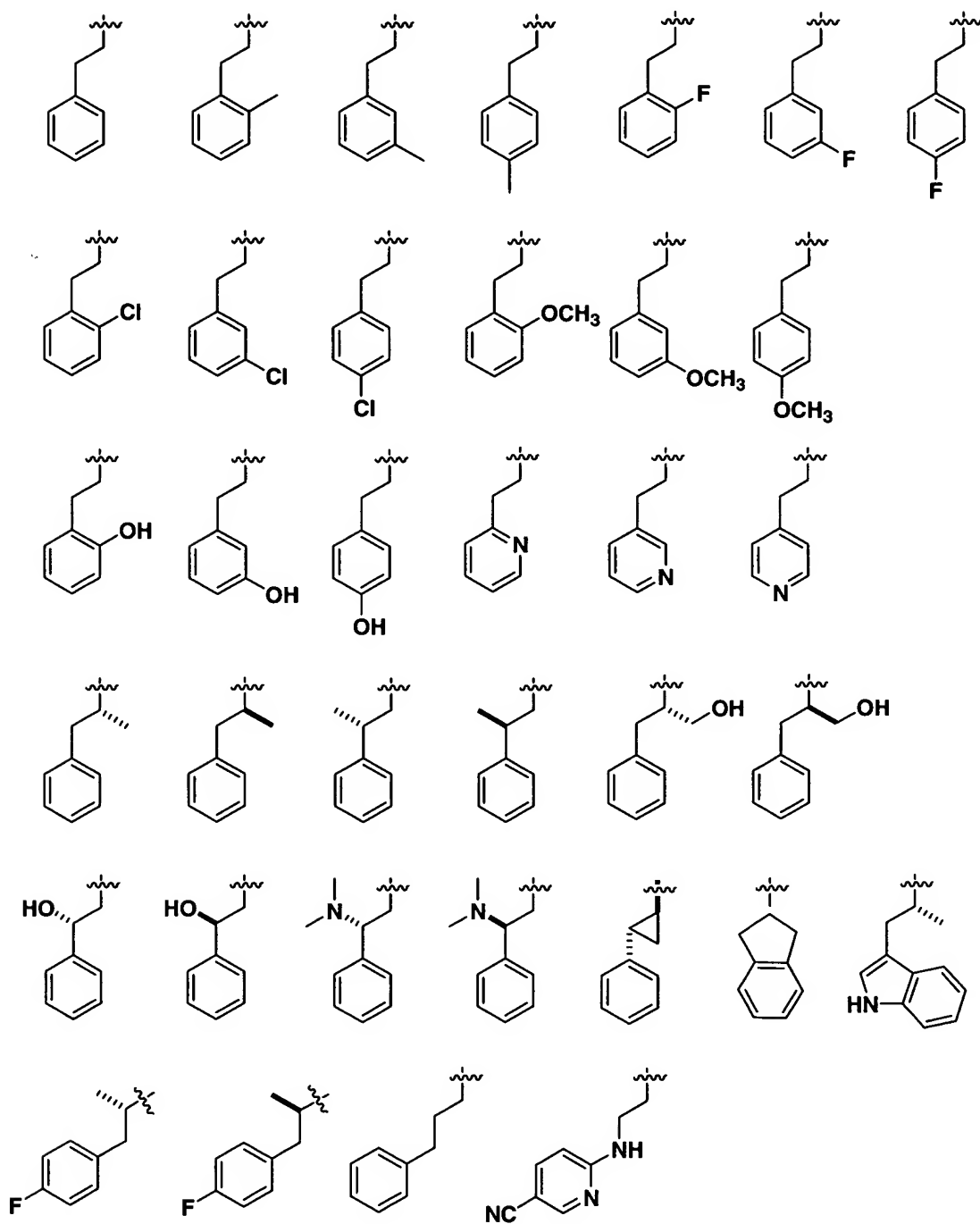
# FIGURE 2A



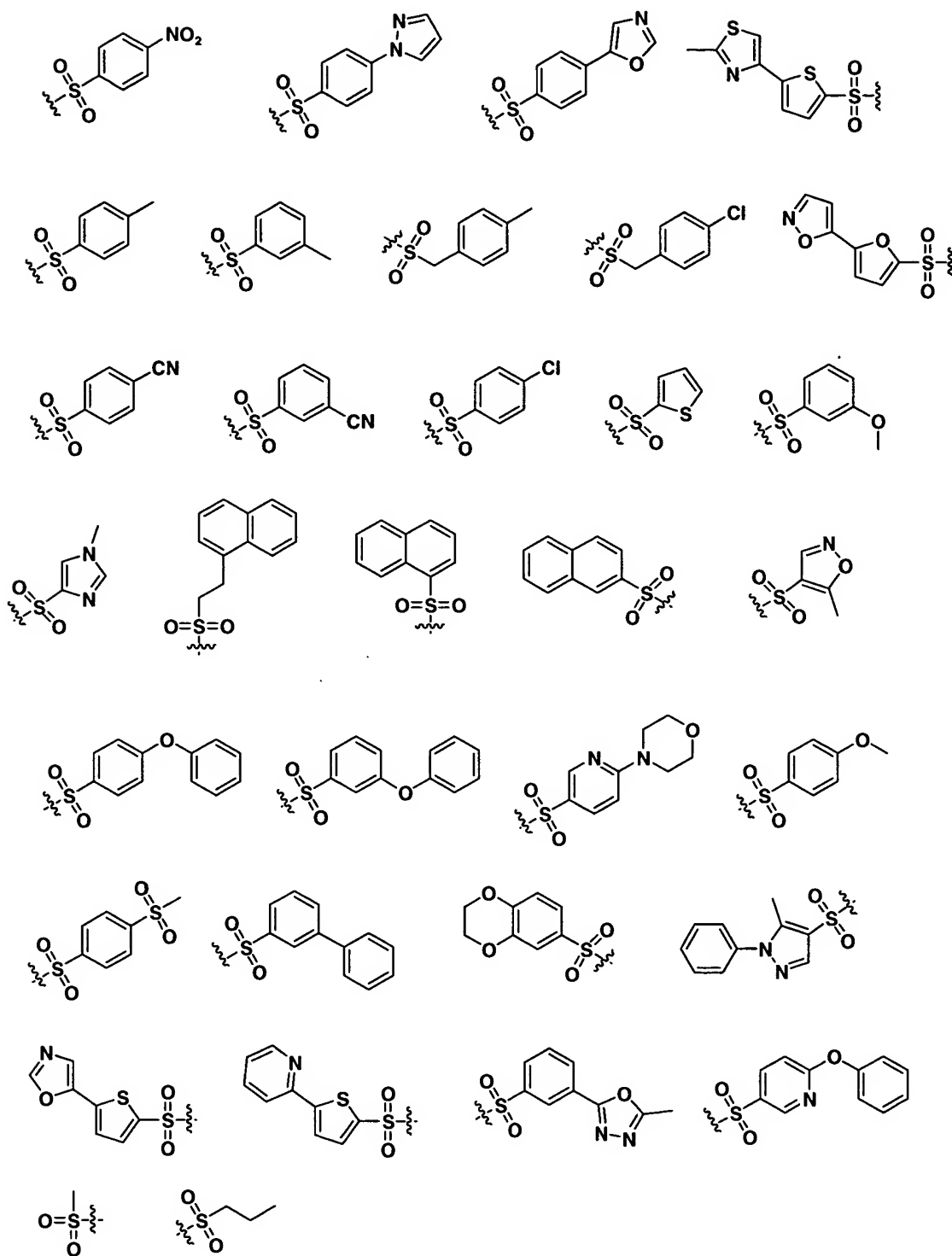
**FIGURE 2A (cont.)**



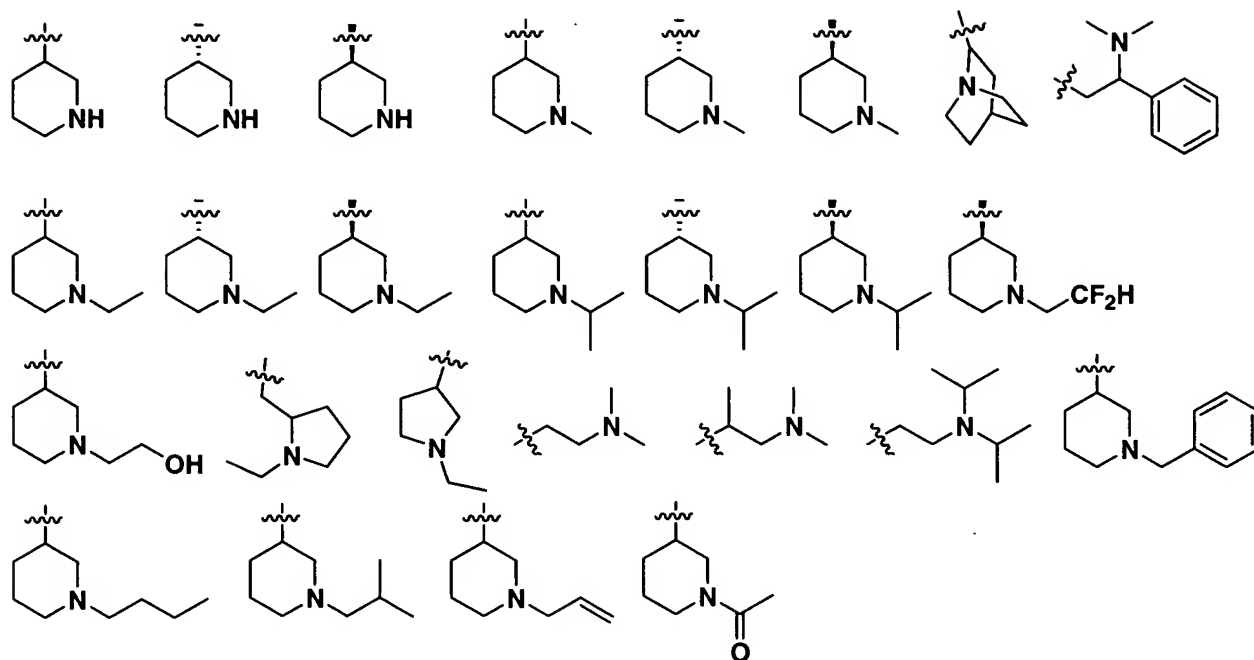
**FIGURE 2A (cont.)**



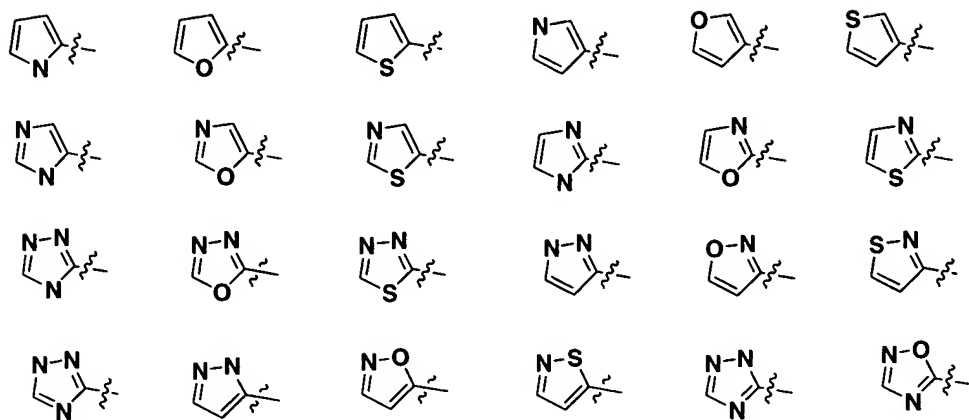
**FIGURE 2A (cont.)**



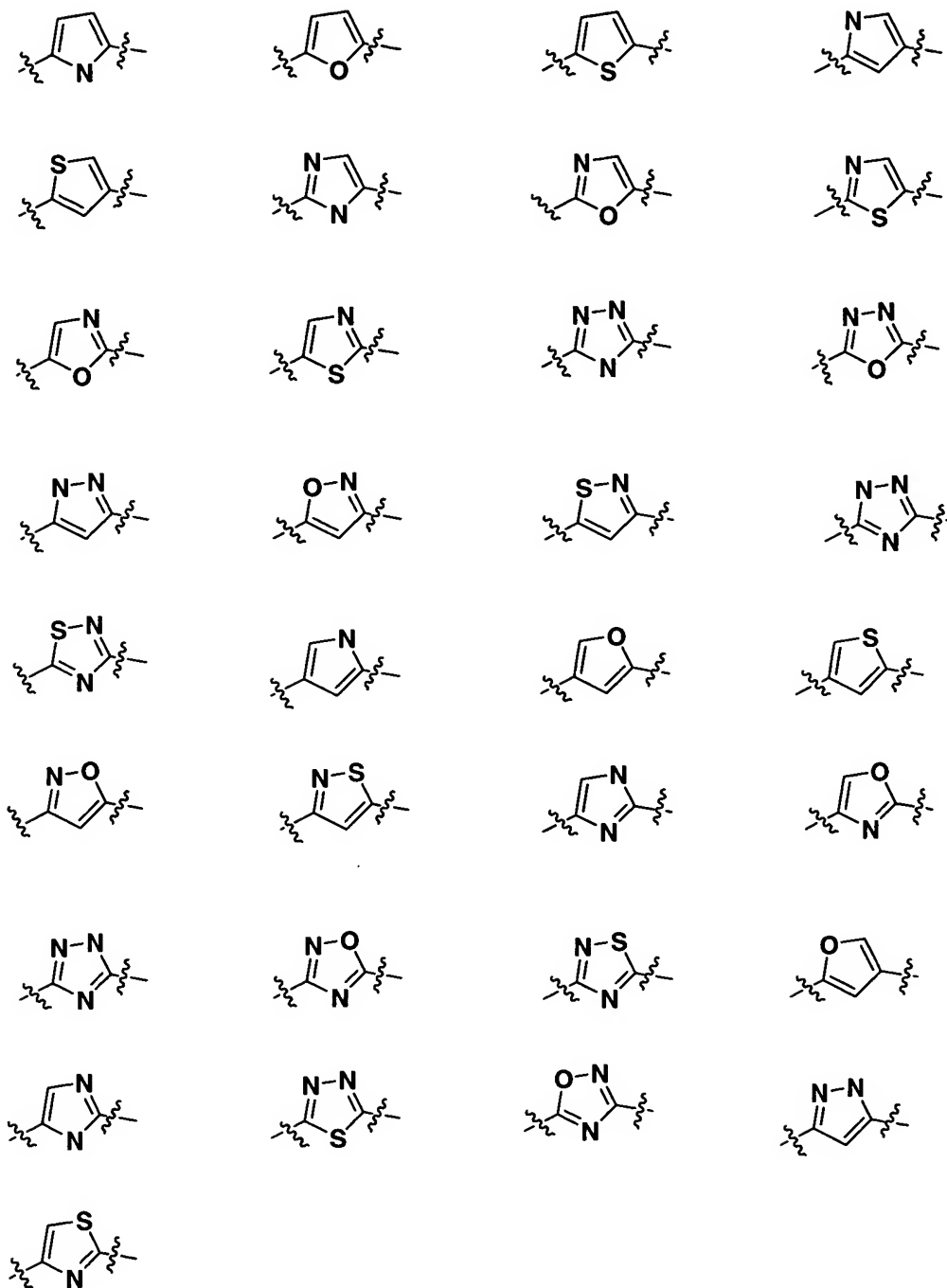
**FIGURE 2A (cont.)**



**FIGURE 2B**

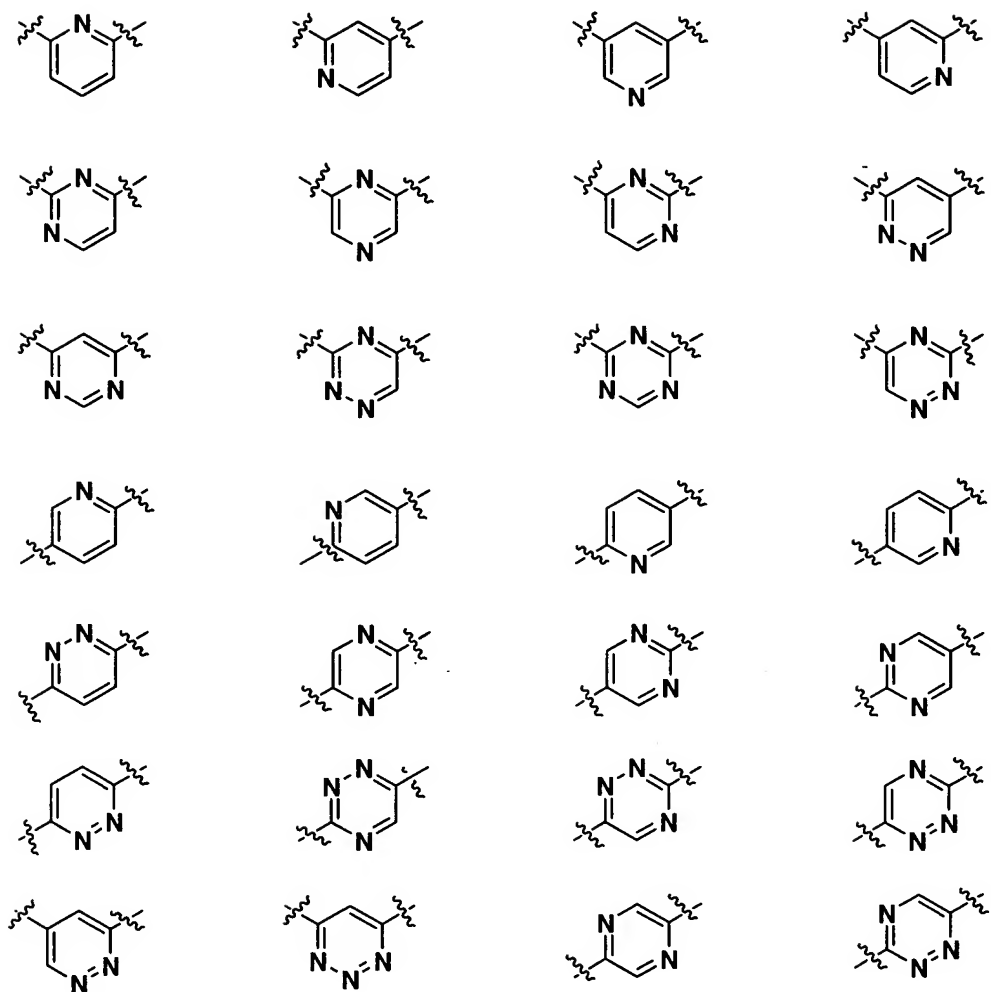


# FIGURE 2C

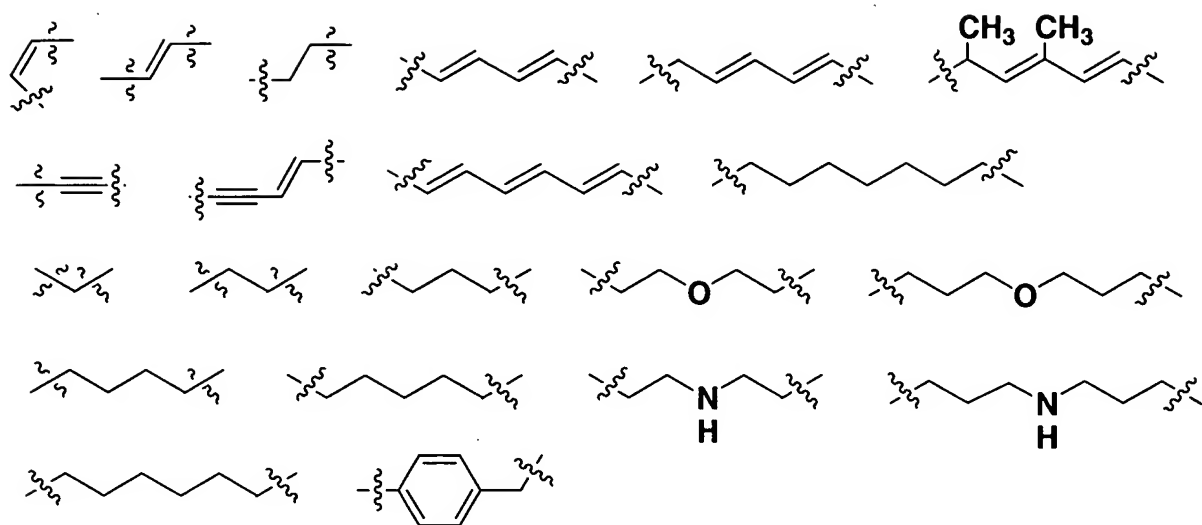




**FIGURE 2C (cont.)**



# FIGURE 2D



## FIGURE 3

SEQ. ID No. 1

MSYYHHHHHDYDIPTTENLYFQGAMEPGGSMAQTQGTRRKVCYYYDGDVGNYYYYGQGHP  
MKPHRIRMTHNLLNLYGLYRKMEIYRPHKANAEEMTKYHSDDYIKFLRSIRPDNMSEYSK  
QMQRFNVEDCPVFDGLFEFCQLSTGGSVASAVKLNKQQTDAVNWAGGLHHAKKSEASG  
FCYVNDIVLAILELLKYHQRVLYIDIDIHHGDGVVEEAFYTTDRVMTVSFHKYGEYFPGTG  
DLRDIGAGKGKYYAVNYPLRDGIDDESIEAIFKPVMSKVMEMFQPSAVVLQCGSDSLSGD  
RLGCFNLTIKGHAKCVEFVKSFNLPMLMLGGGGYTIRNVARCWTYETAVALDTEIPNELP  
YNDYFEYFGPDFKLHISPSNMTNQNTNEYLEKIKQRLFENLRMLPHAPGVQMQAIPEDAI  
PEESGDEDEDDPDKRISICSSDKRIACEEFSSEEEGEGGRKNSSNFKKAKRVKTEDEK  
EKDPEEKKEVTEEEKTKEEKPEAKGVKEEVKLA

## FIGURE 4

SEQ. ID No. 2

ATGTCGTACTACCATCACCATCACCATCACGATTACGATATCCCAACGACCGAAAACCTG  
TATTTTCAGGGCGCCATGGAACCCGGGGGATCCATGGCGCAGACGCAGGGCACCCGGAGG  
AAAGTCTGTTACTACTACGACGGGGATGTTGGAAATTACTATTATGGACAAGGCCACCCA  
ATGAAGCCTCACCGAATCCGCATGACTCATAATTTGCTGCTCAACTATGGTCTCTACCGA  
AAAATGGAAATCTATCGCCCTCACAAAGCCAATGCTGAGGAGATGACCAAGTACCACAGC  
GATGACTACATTAAATTCTTGCGCTCCATCCGTCCAGATAACATGTCGGAGTACAGCAAG  
CAGATGCAGAGATTCAACGTTGGTGAGGACTGTCCAGTATTTCGATGGCCTGTTTGAGTTC  
TGTCAGTTGTCTACTGGTGGTTCTGTGGCAAGTGCTGTGAACTTAATAAGCAGCAGACG  
GACATCGCTGTGAATTGGGCTGGGGGCCTGCACCATGCAAAGAAGTCCGAGGCATCTGGC  
TTCTGTTACGTCAATGATATCGTCTTGCCATCCTGGAACTGCTAAAGTATCACCAGAGG  
GTGCTGTACATTGACATTGATATTACCATGGTGACGGCGTGGAAGAGGCCTTCTACACC  
ACGGACCGGGTCATGACTGTGTCTTTTATAAGTATGGAGAGTACTTCCCAGGAACTGGG  
GACCTACGGGATATCGGGGCTGGCAAAGGCAAGTATTATGCTGTAACTACCCGCTCCGA  
GACGGGATTGATGACGAGTCCTATGAGGCCATTTTCAAGCCGGTCATGTCCAAAGTAATG  
GAGATGTTCCAGCCTAGTGCGGTGGTCTTACAGTGTGGCTCAGACTCCCTATCTGGGGAT  
CGGTTAGGTTGCTTCAATCTAACTATCAAAGGACACGCCAAGTGTGTGGAATTTGTCAAG  
AGCTTTAACCTGCCTATGCTGATGCTGGGAGGCGGTGGTTACACCATTCGTAACGTTGCC  
CGGTGCTGGACATATGAGACAGCTGTGGCCCTGGATACGGAGATCCCTAATGAGCTTCCA  
TACAATGACTACTTTGAATACTTTGGACCAGATTTCAAGCTCCACATCAGTCCTTCCAAT  
ATGACTAACCAGAACACGAATGAGTACCTGGAGAAGATCAAACAGCGACTGTTTGAGAAC  
CTTAGAATGCTGCCGCACGCACCTGGGGTCCAAATGCAGGCGATTCTTGAGGACGCCATC  
CCTGAGGAGAGTGCGGATGAGGACGAAGACGACCCTGACAAGCGCATCTCGATCTGCTCC  
TCTGACAAACGAATTGCCTGTGAGGAAGAGTTCTCCGATTCTGAAGAGGAGGGAGAGGGG  
GGCCGCAAGAACTCTTCCAACCTCAAAAAAGCCAAGAGAGTCAAAACAGAGGATGAAAA  
GAGAAAGACCCAGAGGAGAAGAAAGAAGTCACCGAAGAGGAGAAAACCAAGGAGGAGAAG  
CCAGAAGCCAAAGGGGTCAAGGAGGAGGTCAAGTTGGCCTGA

## FIGURE 5

SEQ. ID No. 3

MGSMAYSQGGGKKKVCYYYDGDIGNYYYGQGHMPKPHRIRMTHNLLLNYGLYRKMEIYRP  
HKATAEEMTKYHSDEYIKFLRSIRPDNMSEYSKQMQRFNVEDCPVFDGLFEFCQLSTGG  
SVAGAVKLNRRQQTDMAVNWAGGLHHAKKSEASGFCYVNDIVLAILLELLKYHQRVLYIDID  
IHHGDGVEEAFYTTDRVMTVSFHKYGEYFPGTGDLRDIGAGKGKYYAVNFPMRDGIDDES  
YGQIFKPIISKVMEMYQPSAVVLQCGADSLSGDRLGCFNLTVKGHAKCVEVVKTFNLPLL  
MLGGGGYTIRNVARCWTYETAVALDCEIPNELPYNDYFEYFGPDFKLHISPSNMTNQNTNP  
EYMEKIKQRLFENLRMLPHAPGVQMQAIPEDAVHEDSGDEDGEDPDKRISIRASDKRIAC  
DEEFSDEDEGEGRNRVADHKKGAKKARIEEDKKETEDKKTVDVKEEDKSKDNSGEKTD  
KGTKSEQLSNPGHHHHH

## FIGURE 6

SEQ. ID No. 4

ATGGGATCCATGGCGTACAGTCAAGGAGGCGGCCAAAAAAGTCTGCTACTACTACGAC  
GGTGATATTGGAAATTATTATTATGGACAGGGTCATCCCATGAAGCCTCATAGAATCCGC  
ATGACCCATAACTTGCTGTAAATTATGGCTTATACAGAAAAATGGAAATATATAGGCC  
CATAAAGCCACTGCCGAAGAAATGACAAAATATCACAGTGATGAGTATATCAAATTTCTA  
CGGTCAATAAGACCAGATAACATGTCTGAGTATAGTAAGCAGATGCAGAGATTTAATGTT  
GGAGAAGATTGTCCAGTGTGTTGATGGACTCTTTGAGTTTTGTGAGCTCTCAACTGGCGGT  
TCAGTTGCTGGAGCTGTGAAGTTAAACCGACAACAGACTGATATGGCTGTTAATTGGGCT  
GGAGGATTACATCATGCTAAGAAATCAGAAGCATCAGGATTCTGTTACGTTAATGATATT  
GTGCTTGCCATCCTTGAATTACTAAAGTATCATCAGAGAGTCTTATATATTGATATAGAT  
ATTCATCATGGTGATGGTGTGAAGAAGCTTTTTATACAACAGATCGTGTAATGACGGTA  
TCATTCCATAAATATGGGGAATACTTTCCTGGCACAGGAGACTTGAGGGATATTGGTGCT  
GGAAAAGGCAAATACTATGCTGTCAATTTTCCAATGAGAGATGGTATAGATGATGAGTCA  
TATGGGCAGATATTTAAGCCTATTATCTCAAAGGTGATGGAGATGTATCAACCTAGTGCT  
GTGGTATTACAGTGTGGTGCAGACTCATTATCTGGTGATAGACTGGGTTGTTTCAATCTA  
ACAGTCAAAGGTCATGCTAAATGTGTAGAAGTTGTAAAACTTTTAACTTACCATTACTG  
ATGCTTGGAGGAGGTGGCTACACAATCCGTAATGTTGCTCGATGTTGGACATATGAGACT  
GCAGTTGCCCTTGATTGTGAGATTCCCAATGAGTTGCCATATAATGATTACTTTGAGTAT  
TTTGGACCAGACTTCAAACCTGCATATTAGTCCTTCAAACATGACAAACCAGAACACTCCA  
GAATATATGGAAAAGATAAAACAGCGTTTGTGTTGAAAATTTGCGCATGTTACCTCATGCA  
CCTGGTGTCCAGATGCAAGCTATTCCAGAAGATGCTGTTTCATGAAGACAGTGGAGATGAA  
GATGGAGAAGATCCAGACAAGAGAATTTCTATTTCGAGCATCAGACAAGCGGATAGCTTGT  
GATGAAGAATTCTCAGATTCTGAGGATGAAGGAGAAGGAGGTCTGAAGAAATGTGGCTGAT  
CATAAGAAAGGAGCAAAGAAAGCTAGAATTGAAGAAGATAAGAAAGAAACAGAGGACAAA  
AAACAGACGTTAAGGAAGAAGATAAATCCAAGGACAACAGTGGTGAAAAAACAGATACC  
AAAGGAACCAAATCAGAACAGCTCAGCAACCCCGGGCATCACCATCACCATCACTAA

## FIGURE 7

SEQ. ID No. 5

MPGMDLNLEAEALAGTGLVLDEQLNEFHCLWDDSFPEGPERLHAIKEQLIQEGLLDRCVS  
FQARFAEKEELMLVHSLEYIDLMETTQYMNELRVLADTYDSVYLHPNSYSCACLASGS  
VLRLVDAVLGAEIRNGMAIIRPPGHHAQHSLMDGYCMFNHVAVAARYAQQKHRIRRVLI  
DWDVHHGQGTQFTFDQDPSVLYFSIHRYEQGRFWPHLKASNWSTTGFGQGQGYTINVPWN  
QVGMRDADYIAAFLHVLLPVALEFQPQLVLVAAGFDALQGD PKGEMAATPAGFAQLTHLL  
MGLAGGKLILSLEGGYNLRALAEGVSASLHTLLGDPCPMLESPGAPCRSAQASVSCALEA  
LEPFWEVLVRSTETVERDNMEEDNVEESEESEEGPWEPPVLPILTWPVLQSRTGLVYDQNM  
NHCNLWDSHHPEVPQRILRIMCRLEELGLAGRCLTLTPRPATEAELLTCHSAEYVGH  
TEKMKTREHRESSNFDSIYICPSTFACAQLATGAACRLVEAVLSGEVLNGAAVVRPPGH  
HAEQDAACGFCFFNSVAVARHAQTISGHALRILIVDWDVHHGNGTQHMFEDDPSVLYVS  
LHRYDHGTFFPMGDEGASSQIGRAAGTGFTVNVANGPRMGDADYLAAWHRLVLP  
IAYEFNPVLVLSAGFDAARGDPLGGCQVSPEGYAHLTHLLMGLASGRIILILEGGYNLTSISES  
MAACTRSLLGDPPLLTLP RPPLSGALASITETIQVHRRYWRSLRVMKVEDREGPGHHHH  
HH

## FIGURE 9

SEQ. ID No. 7

MHHHHHHPMEEPEEPADSGQSLVPVYIYSPEYVSMCDLAKIPKRASMVHSLIEAYALHK  
QMRIVKPKVASMEEMAAFHDTAYLQHLQKVSQEGDDHDPDSIEYGLGYDCPATEGIFDYA  
AAIGGATITAAQCLIDGMCKVAINWSGGWHHAKKDEASGFCYLNDAVLGILRLRRKFERI  
LYVDLDLHHGDGVEDAFSFTSKVMTVSLHKFSPGFFPGTGDVSDVGLGKGRYYSVNVPIQ  
DGIQDEKYYQICESVLKEVYQAFNPKAVVLQLGADTIAGDPMCSFNMTVPVGIGKCLKYIL  
QWQLATLILGGGGYNLANTARCWTYLTGVILGKTLSSSEIPDHEFFTAYGPDYVLEITPSC  
RPDRNEPHRIQQILNYIKGNLKHVV

## FIGURE 8

SEQ. ID No. 6

ATGCCCCGGGATGGATCTGAACCTTGAGGCTGAAGCACTGGCTGGCACTGGCTTGGTGTTG  
GATGAGCAGTTAAATGAATTCCATTGCCTCTGGGATGACAGCTTCCCGGAAGGCCCTGAG  
CGGCTCCATGCCATCAAGGAGCAACTGATCCAGGAGGGCCTCCTAGATCGCTGCGTGTC  
TTTCAGGCCCGGTTTGTCTGAAAAGGAAGAGCTGATGTTGGTTCACAGCCTAGAATATATT  
GATCTGATGGAAACAACCCAGTACATGAATGAGGGAGAACTCCGTGTCCTAGCAGACACC  
TACGACTCAGTTTATCTGCATCCGAACCTCATACTCCTGTGCCTGCCTGGCCTCAGGCTCT  
GTCCTCAGGCTGGTGGATGCGGTCTCTGGGGCTGAGATCCGGAATGGCATGGCCATCATT  
AGGCCTCCTGGACATCACGCCCAGCACAGTCTTATGGATGGCTATTGCATGTTCAACCAC  
GTGGCTGTGGCAGCCCGCTATGCTCAACAGAAACACCGCATCCGGAGGGTCTTATCGTA  
GATTGGGATGTGCACCACGGTCAAGGAACACAGTTACCTTCGACCAGGACCCCAAGTGTC  
CTCTATTTCTCCATCCACCGCTACGAGCAGGGTAGGTTCTGGCCCCACCTGAAGGCCTCT  
AACTGGTCCACCACAGGTTTCGGCCAAGGCCAAGGATATACCATCAATGTGCCTTGGAAC  
CAGGTGGGGATGCGGGATGCTGACTACATTGCTGCTTTCCTGCACGTCCTGCTGCCAGTC  
GCCCTCGAGTTCCAGCCTCAGCTGGTCTGGTGGCTGCTGGATTTGATGCCCTGCAAGGG  
GACCCCAAGGGTGAGATGGCCGCCACTCCGGCAGGGTTCGCCCAGCTAACCCACCTGCTC  
ATGGGTCTGGCAGGAGGCAAGCTGATCCTGTCTCTGGAGGGTGGCTACAACCTCCGCGCC  
CTGGCTGAAGGCGTCAGTGCTTCGCTCCACACCCTTCTGGGAGACCCTTGCCCCATGCTG  
GAGTCACCTGGTGCCCCCTGCCGGAGTGCCAGGCTTCAGTTTCCTGTGCTCTGGAAGCC  
CTTGAGCCCTTCTGGGAGGTTCTTGTGAGATCAACTGAGACCGTGAGAGGGACAACATG  
GAGGAGGACAATGTAGAGGAGAGCGAGGAGGAAGGACCCTGGGAGCCCCCTGTGCTCCCA  
ATCCTGACATGGCCAGTGCTACAGTCTCGCACAGGGCTGGTCTATGACCAAAATATGATG  
AATCACTGCAACTTGTGGGACAGCCACCACCCTGAGGTACCCAGCGCATCTTGCGGATC  
ATGTGCCGTCTGGAGGAGCTGGGCCTTGCCGGGCGCTGCCTCACCTGACACCGCGCCCT  
GCCACAGAGGCTGAGCTGCTCACCTGTACAGTGCTGAGTACGTGGGTCTCTCCGGGCC  
ACAGAGAAAATGAAAACCCGGGAGCTGCACCGTGAGAGTTCCAACTTTGACTCCATCTAT  
ATCTGCCCCAGTACCTTCGCCTGTGCACAGCTTGCCACTGGCGCTGCCTGCCGCTGGTG  
GAGGCTGTGCTCTCAGGAGAGGTTCTGAATGGTGCTGCTGTGGTGCGTCCCCAGGACAC  
CACGCAGAGCAGGATGCAGCTTGCGGTTTTTGTCTTTTCAACTCTGTGGCTGTGGCTGCT  
CGCCATGCCCAGACTATCAGTGGGCATGCCCTACGGATCCTGATTGTGGATTGGGATGTC  
CACCACGGTAATGGAACCTCAGCACATGTTTGAGGATGACCCCAAGTGCTATATGTGTCC  
CTGCACCGCTATGATCATGGCACCTTCTTCCCCATGGGGGATGAGGGTGCCAGCAGCCAG  
ATCGGCCGGGCTGCGGGCACAGGCTTCACCGTCAACGTGGCATGGAACGGGCCCCGCATG  
GGTGATGCTGACTACCTAGCTGCCTGGCATCGCCTGGTGCTTCCCATTGCTTACGAGTTT  
AACCAGAACTGGTGCTGGTCTCAGCTGGCTTTGATGCTGCACGGGGGGATCCGCTGGGG  
GGCTGCCAGGTGTCACCTGAGGGTTATGCCCACCTCACCCACCTGCTGATGGGCCTTGCC  
AGTGGCCGCATTATCCTTATCCTAGAGGGTGGCTATAACCTGACATCCATCTCAGAGTCC  
ATGGCTGCCTGCACTCGCTCCCTCCTTGGAGACCCACCACCCCTGCTGACCTGCCACGG  
CCCCACTATCAGGGGCCCTGGCCTCAATCACTGAGACCATCCAAGTCCATCGCAGATAC  
TGGCGCAGCTTACGGGTCTGAAGGTAGAAGACAGAGAAGGACCCGGGCATCACCATCAC  
CATCACTAA

## FIGURE 10

SEQ. ID No. 8

ATGCACCATCACCATCACCATCCCATGGAGGAGCCGGAGGAACCGGCGGACAGTGGGCAG  
TCGCTGGTCCCGGTTTATATCTATAGTCCCGAGTATGTCAGTATGTGTGACTCCCTGGCC  
AAGATCCCCAAACGGGCCAGTATGGTGCAATCCTTTGATTGAAGCATATGCACTGCATAAG  
CAGATGAGGATAGTTAAGCCTAAAGTGGCCTCCATGGAGGAGATGGCCGCCTTCCACACT  
GATGCTTATCTGCAGCATCTCCAGAAGGTGAGCCAAGAGGGCGATGATGATCATCCGGAC  
TCCATAGAATATGGGCTAGGTTATGACTGCCCAGCCACTGAAGGGATATTTGACTATGCA  
GCAGCTATAGGAGGGGCTACGATCACAGCTGCCCAATGCCTGATTGACGGAATGTGCAA  
GTAGCAATTAAGTGGTCTGGAGGGTGGCATCATGCAAAGAAAGATGAAGCATCTGGTTTT  
TGTTATCTCAATGATGCTGTCTGGGAATATTACGATTGCGACGGAAATTTGAGCGTATT  
CTCTACGTGGATTTGGATCTGCACCATGGAGATGGTGTAGAAGACGCATTCAGTTTCACC  
TCCAAAGTCATGACCGTGTCCCTGCACAAATTCTCCCCAGGATTTTTCCCAGGAACAGGT  
GACGTGTCTGATGTTGGCCTAGGGAAGGGACGGTACTACAGTGTAATGTGCCCATTGAG  
GATGGCATAAAGATGAAAAATATTACCAGATCTGTGAAAGTGTAATAAGGAAGTATAC  
CAAGCCTTTAATCCCCAAGCAGTGGTCTTACAGCTGGGAGCTGACACAATAGCTGGGGAT  
CCCATGTGCTCCTTTAACATGACTCCAGTGGGAATTGGCAAGTGTCTTAAGTACATCCTT  
CAATGGCAGTTGGCAACACTCATTTTGGGAGGAGGAGGCTATAACCTTGCCAACACGGCT  
CGATGCTGGACATACTTGACCGGGGTGATCCTAGGGAAAACACTATCCTCTGAGATCCCA  
GATCATGAGTTTTTTCACAGCATATGGTCCTGATTATGTGCTGGAAATCACGCCAAGCTGC  
CGGCCAGACCGCAATGAGCCCCACCGAATCCAACAAATCCTCAACTACATCAAAGGGAAT  
CTGAAGCATGTGGTCTAG